

## **Attachment H – System Limitations**

The following limitations apply to SIMSS Release 3.0.

| <b>Num</b> | <b>Description</b>   | <b>Workaround</b>  |
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| 1          | Only the GenericTLM and TDMGen modules are capable of sending data to the serial module.   | Do not connect any modules other than GenericTLM or TDMGen such that they send data to the serial output module.   |
| 2          | The wrapper and stripper modules assume that any header longer than eighteen bytes is a NASCOM header combined with an RTP header. If a PEP calculation is indicated in the configuration file, it will ignore the first twelve bytes of the header.   | Do not create a configuration file that requests a NASCOM PEP and also has a header larger than eighteen bytes unless it is a NASCOM/RTP combination with a standard thirty-byte combined header.  |
| 3          | The serial modules support automatic polarity checking (APC) for NRZ-L and NRZ-M only.   | Do not attempt APC for other modes.  |
| 4          | The serial module's functionality has been fully checked out for the NRZ modes only.   | Do not use the Bi0 modes in Input module (HW limitation).  |
| 5          | Buffer displays show a maximum of the first 1400 bytes of data.  | Log the data and review it offline.  |
| 6          | The GenTlm module does not implement telemetry packet secondary headers.   | None.  |
| 7          | The “P-field” and “Epoch sec” elements of the GenTlm packet header display are meaningless.  | Ignore these fields.   |
| 8          | Log modules do not allow a user to stop and restart logging to the same file. Each start/restart requires a new log file name or the previously logged data will be overwritten.   | Users should be aware of this limitation. In order to save previously logged data, always specify a new log file before starting or restarting a log module.   |
| 9          | The wrapper and stripper modules are sensitive to the column positioning of entries in the configuration file.   | Users should make sure that any files they create follow the exact same format as the existing files.  |
| 10         | GenTlm, CmdGen, and Test modules do not save or restore internal configuration.  | None.  |
| 11         | Using log file mode in TXFile, user cannot use following operations: <ul style="list-style-type: none"><li>• A starting offset into the file</li><li>• Reverse order</li><li>• Auto-blocks options</li></ul> When using auto-complete file mode, the cycles field is not used so the log file is only transmitted one time | A log file may be used to create a new file that can use those options from the offset mode.<br>Use TXFile to transmit the log file to a log module with fixed block size and no log headers.<br>Use the log file with manual transmission mode. |
| 12         | The Version Identification capability in “About” menu of each module may not reflect the latest date of changes if the module’s  | Make sure to check in the DllMainClass.cpp file each time any change was made in the module.   |

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|  | DllMainClass.cpp file was not checked in at the same time |  |
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